

ABSTRACT OF THE DISCLOSURE

A method of enhancing a digital image comprising: providing a digital image; decomposing the provided digital image into a multi-frequency
5 band representation including a low frequency band image and multiple different high frequency band images; multiplying each of the high-frequency band images with a gain factor; summing together the unmodified low frequency band image and the modified high-frequency band images to produce a reconstructed digital image; and mapping the reconstructed digital image through a tone-scale look-up-
10 table to map the reconstructed digital image to optical densities